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Amendments to the Specification

Following the abstract, please insert the uploaded Sequence Listing filed herewith.

Please replace paragraph [0065] of the published application with the following amended paragraph:

[0065] FIG. 11 shows EV1 binding inhibited in the presence of anti- $\alpha_2\beta_1$. Binding of [35 S]-methionine labeled EV1 to ovarian cancer cell lines in the presence and absence of either anti- $\alpha_2\beta_1$ or anti-DAF MAbs. Levels of [35 S]-methionine labeled virus bound was determined by liquid scintillation counting on a 1450 Microbeta MICROBETA® TRILUX (Wallac, Finland).

Please replace paragraph [0070] of the published application with the following amended paragraph:

[0070] FIG. 16 shows binding of [35 S]-methionine labeled EV1 to SkMel28 melanoma cells in the presence and absence of either anti- $\alpha_2\beta_1$ or anti-DAF MAbs. Levels of] 35 [35 S]-methionine labeled virus bound was determined by liquid scintillation counting on a 1450 Microbeta MICROBETA® TRILUX (Wallac, Finland). $\alpha_2\beta_1$ blockade resulted in significant inhibition of EV1 binding. Results are expressed as the mean of triplicate samples±standard error.

Please replace paragraph [0103] of the published application with the following amended paragraph:

[0103] Enteroviral receptor surface expression on cancer cells was analysed by flow cytometry. Dispersed cells $(1x10^6)$ were incubated for 20 minutes on ice with the appropriate MAb (5 µg/ml diluted in PBS) for 20 minutes. Cells were washed with PBS and pelleted by centrifugation before resuspension in 100 µl of 1:50 dilution of R-phycoerythrin-conjugated $F(ab')_2$ fragment of goat anti-mouse immunoglobulin (Dako, A/S, Denmark). Cells were again incubated on ice for 20 minutes, washed, pelleted and resuspended in PBS prior to flow

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cytometric analysis. Cell surface receptor expression was analysed using a FACStar Analyser (Becton Dickenson, Sydney, Australia).

Please replace paragraph [0110] of the published application with the following amended paragraph:

[0110] Six-well tissue culture plates containing confluent monolayers of DOV13 cells were inoculated with 500 μl EV1 (multiplicty of infection [moi]=10⁵ TCID₅₀/ml) for 1 hour at 37°C. Unbound virus was removed by washing three times with methionine/cysteine free DMEM (ICN Biomedical, Ohio, USA) and cell monolayers were incubated in 1.3 ml of this media for a further 2 hours at 37° C. before addition of 300 μCi of [³⁵S]-methionine translabel (ICN Biomedical, Ohio, USA). Infected monolayers were incubated overnight at 37° C. in a 5% CO₂ environment Following three freeze/thaw cycles viral lysates were purified in a 5-30% sucrose gradient by velocity centrifugation for 95 minutes at 36,000 rpm in a Beckman XL-90 ultracentrifuge (SW41ti Rotor). Fractions were collected from the bottom of each tube and monitored by liquid scintillation counting (Wallac 1450' Microbeta MICROBETA® TRILUX, Finland) to locate 160S viral peak fraction used in viral binding assays.

Please replace paragraph [0113] of the published application with the following amended paragraph:

Approximately $1x10^6$ cells resuspended in 800 μ l of RPMI containing 1% bovine serum albumin (BSA) were incubated in the presence of 20 μ g/ml of MAb (anti- $\alpha_2\beta_1$ or anti-DAF diluted in PBS) for 1 hour at 4° C[[.]] followed by the addition of 300 μ l ($1x10^6$) of [35 S]-methionine labeled 160S EV1. After incubation at 4° C[[.]] for 2 hours cells were washed four times with serum free media and cell pellets dissolved in 200 μ l 0.2M NaOH-1% SDS before the level of [35 S]-methionine labeled virus bound was determined by liquid scintillation counting from triplicate samples. (Wallac 1450 Microbeta MICROBETA® TRILUX, Finland). Results were expressed as means±SE.

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Please replace paragraph [0115] of the published application with the following amended paragraph:

[35S]-methionine labeled viral fractions were analysed by polyacrylamide gel [0115] electrophoresis (PAGE) and visualised by autoradiography. [35S]-methionine labeled 160S EV1 fractions were incubated with sample reducing buffer (250 mM TRIS, 0.2 g w/v SDS, 20% v/v glycerol, 10% v/v 2-mercaptoethanol and 0.01% w/v bromophenol blue, pH 6.8) for 10 minutes at 95° C[[.]] deraturing denaturing the virion. Denatured 160S vial peak fractions were then separated on a 15% Tris-HCl precast gel (BIORAD Ready-Gel Bio-Rad READY GEL®, CA, USA) in conjunction with a Benchmark prestained midrange protein ladder (GIBCO, USA) at 180 V for 45 minutes. Visualisation of the major structural proteins and analysis of viral purity was by autoradiography on Hyperfilm MP (Amersham International, England) after 96 hour exposure.

Please replace paragraph [0117] of the published application with the following amended paragraph:

[0117] Cell suspensions of human peripheral blood lymphocytes, OVHS-1 and DOV-13 cells were challenged with EV1 (moi=1.0 TCID50 TCID50/cell) and incubated for 24 h at 37° C. Levels of cell cytolysis were calculated as a function of release of LDH (a stable cytosolic enzyme that is released upon cell lysis), assessed by using a Cyto-Tox CYTOTOX 96® kit (Promega Corp. Maddison, Wis. USA) as per the manufactures instructions.

Please replace paragraph [0119] of the published application with the following amended paragraph:

DOV-13 cells were seeded in a 24-well plate at 500 or 5000 cells per well in 1 ml of [0119] RPMI 1640 containing 5% FCS onto a semi-solid 0.5% agarose layer. Cells were incubated for 48 h at 37(C 37°C in a 5% CO2 CO2 atmosphere to allow spheroids to form, before the addition of EV1 (10^5 TCID_{50}) .

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Please replace paragraph [0123] of the published application with the following amended paragraph:

[0123]Sera from infected mice were analyzed for viremia using real-time quantitative RT-PCR. Briefly, viral RNA was extracted from 10 µl of serum using a QIAamp® Viral RNA mini kit (Qiagen, Clifton Hill, Victoria, Australia) and eluted in a final volume of 40 ul according to manufacturer's instructions. Primers and probe for determination of EV1 viral RNA levels were designed using the Primer Express PRIMER EXPRESSTM 1.5 software (Applied Biosystems, Foster City, Calif., USA) and were based on the previously published EV1 sequence (Genbank accession number AF029859); forward pruner primer (5'-CAAGACAGGGACCAAAGAGGAT-3') (SEQ ID NO: 1), reverse primer (5'-CCACTCGCCTGGTTGTAATCA-3') (SEO ID NO: 2) and 6-FAM-labeled MGB-probe (5'-CCAATAGCTTCAACAATT-3') (SEQ ID NO: 3). Onestep RT-PCR was performed using PlatinumPLATINUM® Quantitative RT-PCR ThermoScriptTHERMOSCRIPTTM One-Step System on an ABI 7000 sequence detector. For generation of the standard curve, 10-fold dilutions of EV1 viral stock (1x10⁶ TCID₅₀/ml) was amplified with optimized concentration of primers and probe. In a volume of 25 µl, the reaction mixture comprised[[.]]; 1xThermScriptTHERMOSCRIPTTMreaction mix, 500 nM forward, 900 nM reverse primer, 250 nM probe, 500 nM ROX, 0.5 μl ThermoScriptTHERMOSCRIPTTM Plus/Platinum Taq Mix and 5 µl extracted RNA. Thermal cycling conditions were subjected to 30 min at 60° C[[.]], followed by 5 min at 95° C[[.]] and then 40 cycles of 15 s at 95° C[[.]] and 1 min at 60° C.